



Association of American
State Geologists



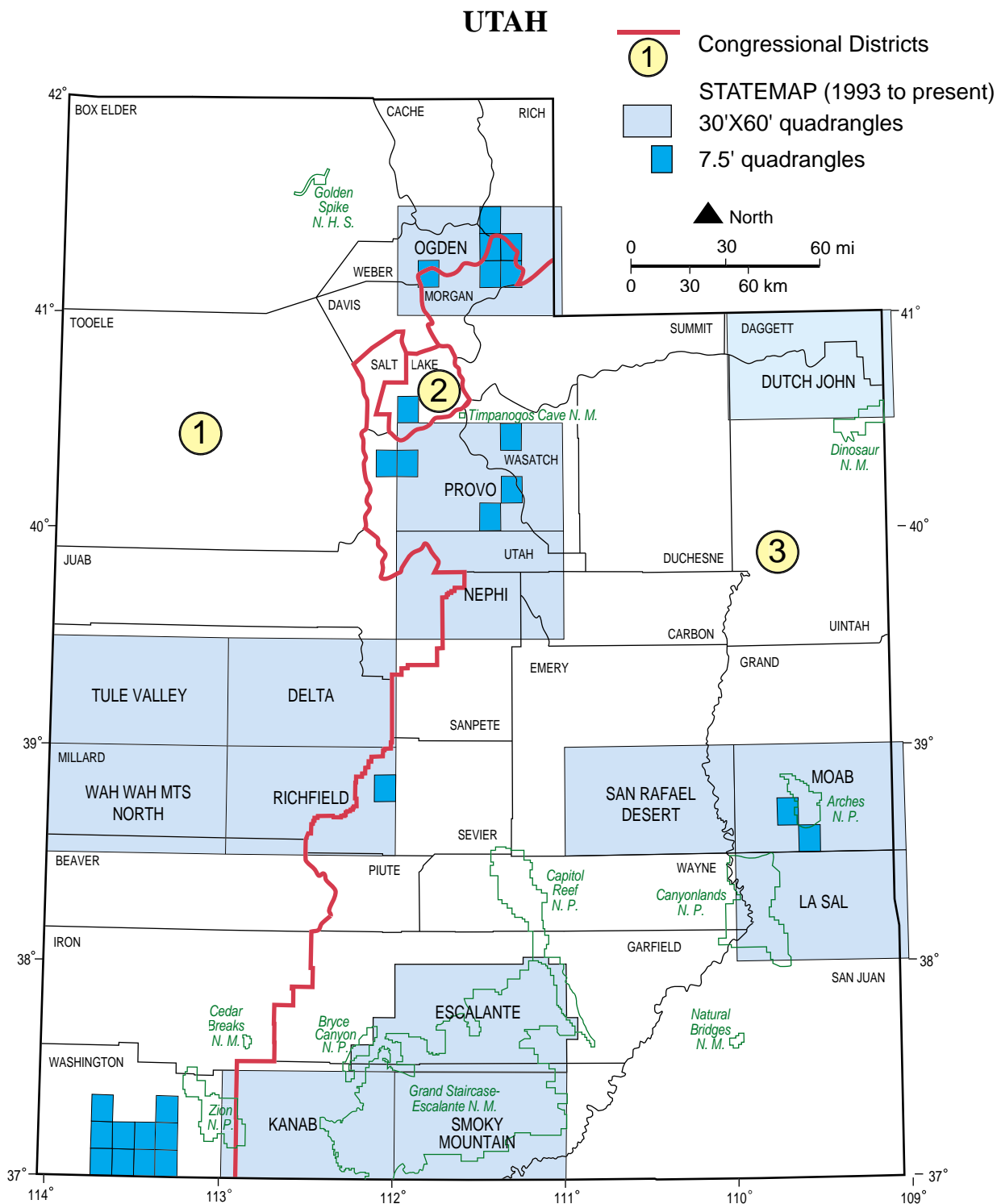
UTAH GEOLOGICAL SURVEY
a division of
UTAH DEPARTMENT OF
NATURAL RESOURCES
STATE OF UTAH

United States
Geological Survey



National Cooperative Geologic Mapping Program

STATEMAP Component: States compete for federal matching funds for geologic mapping



Contact information

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<http://www.ugs.state.ut.us/>

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SUMMARY OF STATEMAP GEOLOGIC MAPPING PROGRAM IN UTAH

Federal Fiscal Year	Project Title Scale: 7.5' quadrangles = 1:24,000 30' × 60' quadrangles = 1:100,000	State Dollars	Federal Dollars	Total Project Dollars
93	7.5' - Richfield (Sevier Valley), Midvale (Salt Lake Valley)	\$30,000	\$30,000	\$60,000
94	7.5' - St. George and Washington (St. George area), Moab	38,000	38,000	76,000
95	7.5' - Santa Clara (St. George area), Merrimac Butte (Moab area)	30,000	30,000	60,000
96	30' × 60' - Ogden (part 1 of 3), Smoky Mountain 7.5' - White Hills and Harrisburg Junction (St. George area)	125,000	125,000	250,000
97	30' × 60' - Ogden (part 2 of 3), Escalante, Kanab, SE Panguitch 7.5' - Hurricane and Washington Dome (St. George area)	130,102	130,102	260,204
98	30' × 60' - Ogden (part 3 of 3), Delta, Moab, La Sal 7.5' - Horse Ridge, Dairy Ridge, Lost Creek Dam, Francis Canyon, and Peck Canyon (from Ogden area); The Divide (St. George area); Center Creek (Heber Valley area)	149,044	149,044	298,088
99	30' × 60' - Dutch John (part 1 of 3), Provo (part 1 of 3), Wah Wah Mountains North 7.5' - Pintura (St. George area)	130,000	130,000	260,000
00	30' × 60' - Dutch John (part 2 of 3), Nephi, Tule Valley, Richfield, San Rafael Desert (part 1 of 2) 7.5' - Snow Basin (Ogden Valley area)	124,590	124,590	249,180
01	30' × 60' - Dutch John (part 3 of 3), San Rafael Desert (part 2 of 2) 7.5' - Billies Mountain and Two Tom Hill (Wasatch Mountains), Cedar Fort and Saratoga Springs (Utah Valley area), Veyo (St. George area)	146,763	146,763	293,526
TOTALS		\$903,499	\$903,499	\$1,806,998

Cooperative funding through the STATEMAP component of the National Cooperative Geologic Mapping Program has enabled the Utah Geological Survey to produce thirteen 30'x60' and twenty-five 7.5' quadrangle geologic maps since 1993. This work has entailed original geologic mapping and digital compilation of previous mapping. Local, state, and federal land management agencies have used this new map information to address a variety of issues, including ground-water location and protection, geologic hazards evaluation, resource protection and development, education, and tourism.

For example, geologic maps of the St. George basin provide the foundation for a detailed study of the abundant geologic hazards that cause problems for construction in the rapidly growing area. The 30'x60' quadrangles in southern Utah formed the basis for evaluating geologic issues in the management plan of recently designated Grand Staircase-Escalante National Monument. New mapping in the Ogden 30'x60' quadrangle produced a major revision in the interpretation of the subsurface geology in the oil and gas fields area of northeastern Utah, resulting in more accurate exploration strategies. Mapping in several national and state recreation areas has led to new geologic interpretations and tourist information.